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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/643,323	08/16/2003	Wen Hsiung Lin	A EV16	3951	
75	06/10/2005	,	EXAMINER		
Wen Hsiung Lin			DINH, TR	DINH, TRINH VO	
P.O. Box 4-67 Hsin Chuang			ART UNIT	PAPER NUMBER	
Taipei, 242			2821		
TAIWAN			DATE MAILED: 06/10/2009	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	
Application No. Applicant(s)	·
10/643,323 LIN, WEN HSI	UNG
Office Action Summary Examiner Art Unit	
Trinh Vo Dinh 2821	
The MAILING DATE of this communication appears on the cover sheet with the correspondence Period for Reply	address
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered to the period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of the Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).	is communication.
Status	,
1) Responsive to communication(s) filed on 16 August 2003.	
2a) ☐ This action is FINAL . 2b) ☒ This action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to	the merits is
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.	
Disposition of Claims	
4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 3-5 is/are rejected. 7) Claim(s) 2 and 6 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers	
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 16 August 2003 is/are: a) accepted or b) objected to by the Exami	inor
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a)	
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37	
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form	, ,
Priority under 35 U.S.C. § 119	
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this Nation application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 	nal Stage
Attachment(s)	
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 08/16/2003. Patent and Trademark Office	PTO-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Kennedy et al (US 5,614,917).

Respecting claim 1, Kennedy discloses, in Fig. 1, a board member (10) and at least one antenna device (14) printed on the board member, the at least one antenna device including a G-shaped structure (Fig. 1, col. 1, line 55-65) having a first segment and a second segment coupled together to form the G-shaped structure.

3. Claims 1 and 3 are rejected under 35 U.S.C. 102(e) as being anticipated by Kadambi et al (US 2004/0056804 A1).

Respecting claim 1, Kadambi discloses, in Fig. 1, a board member (18) and at least one antenna device (10) printed on the board member, the at least one antenna device including a G-shaped structure (Fig. 1) having a first segment (13+14+15+16) and a second segment (12) coupled together to form the G-shaped structure.

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Respecting claim 3, Kadambi discloses the board member including a transmission circuit (26) provided thereon, and the at least one antenna device includes an output terminal (22) coupled to the transmission circuit.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 4-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kennedy or Kadambi in view of Wong et al (US 6,624,790 B1)

Respecting claim 4, Wong discloses except at least one second antenna device printed on the board member. Wong discloses a second antenna device (11) printed on a board member (40). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Kennedy of Kadambi's device with a second antenna element having the same shaped structure as the first antenna element and being printed on the board member as taught by Wong. Doing it would provide the antenna device with simple structure and low cost manufacturing process.

Respecting claim 5, Wong further discloses the at least one antenna device (11) and the at least one second antenna device (11) each includes an output terminal (16) coupled together.

Allowable Subject Matter

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6. Claims 2 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter:

The cited at of record fails to teach the antenna device includes a conductor provided around said G-shaped antenna device to form a G-shaped hollow space in said at least one second antenna device as defined in claims 2 or 6.

Inquiry

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trinh Vo Dinh whose telephone number is (571) 272-1821. The examiner can normally be reached on Monday to Friday from 9:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Trinh Vo Dinh June 08, 2005